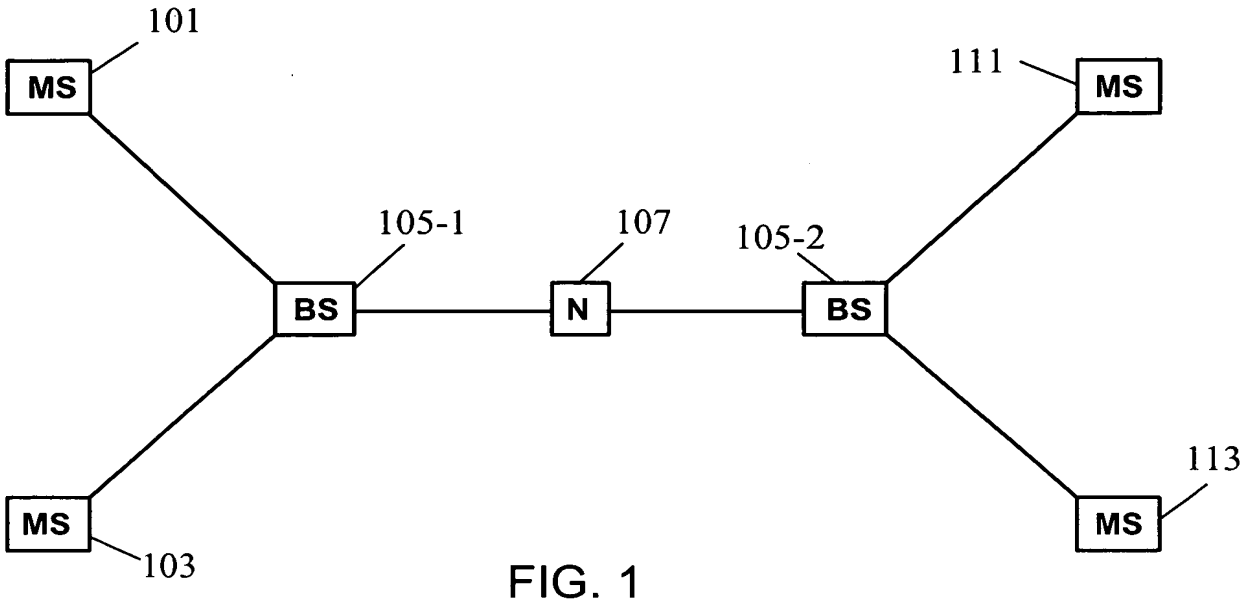
101
MS
111
MS
105-1
107
105-2
BS
N
BS
113
MS
MS
103

FIG. 1

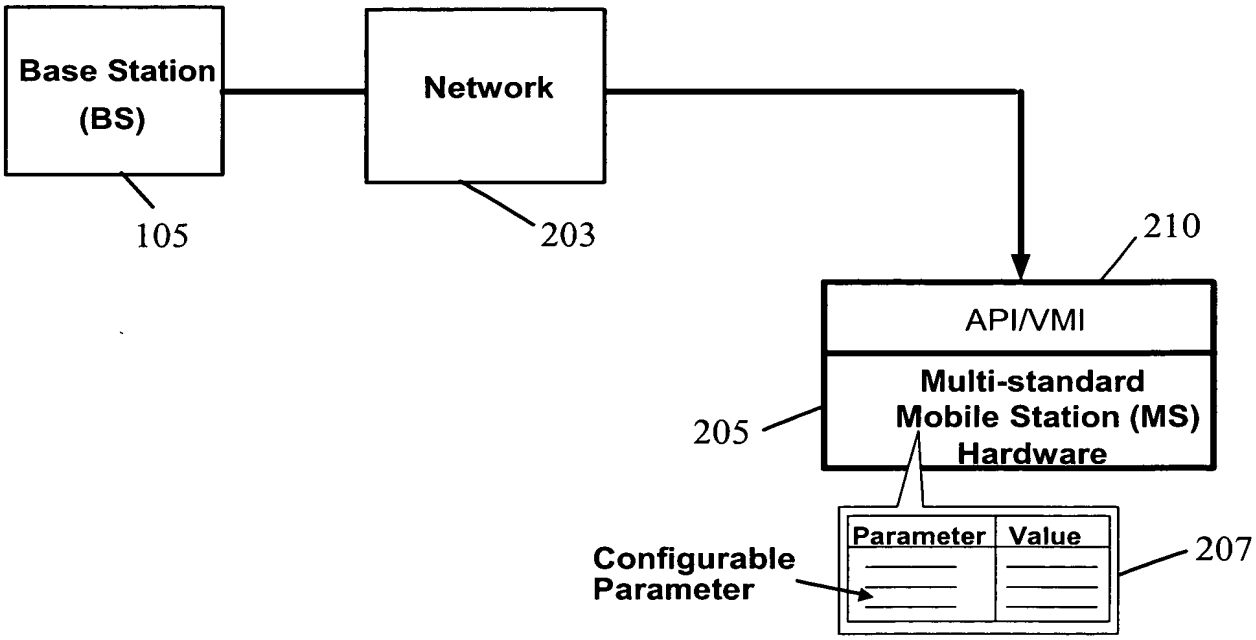
Base Station
(BS)
Network
105
203
210
API/VMI
Multi-standard
Mobile Station (MS)
Hardware
205
Parameter
Value
207
Configurable
Parameter

FIG. 2

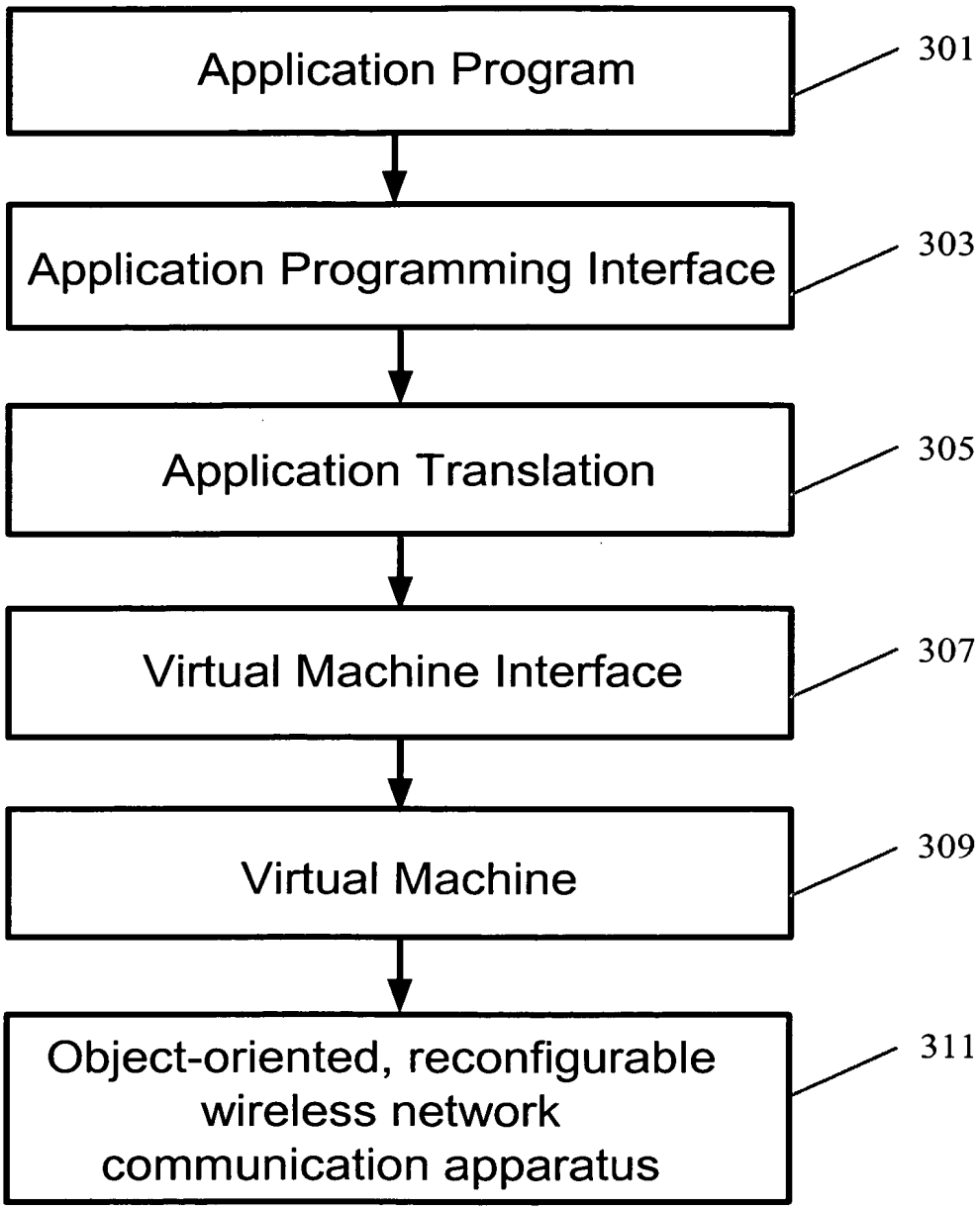

FIG. 3

EL451596490US

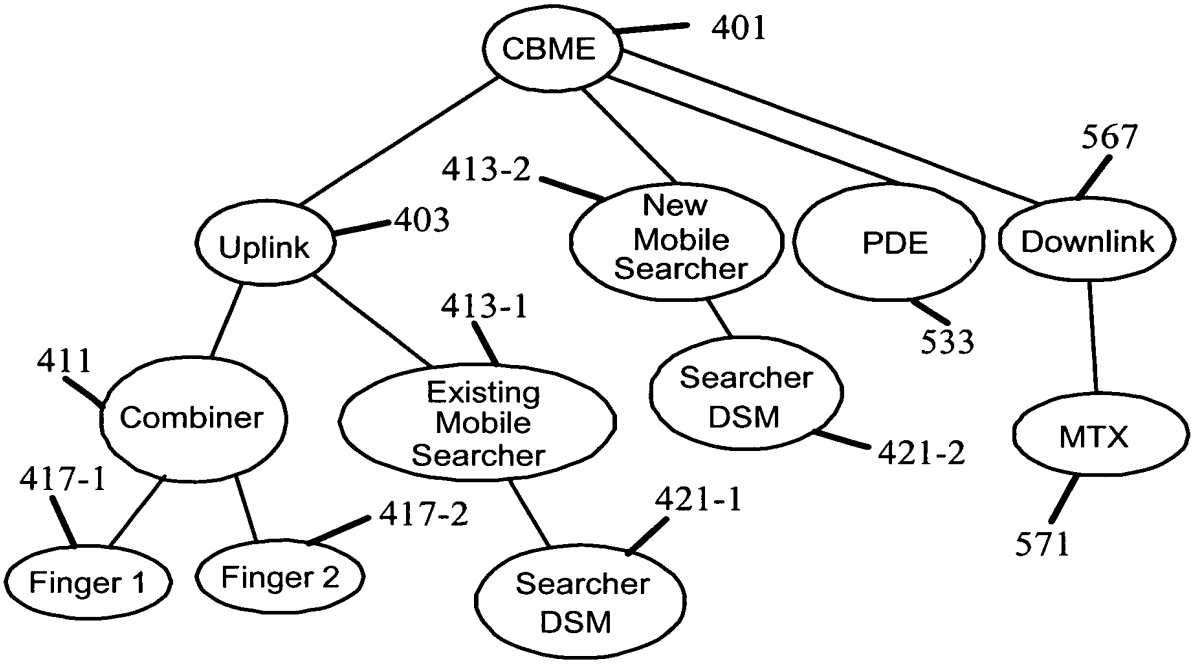

FIG. 4

FOSD4+0 "T98628350

D98280284-040501

FIG. 5

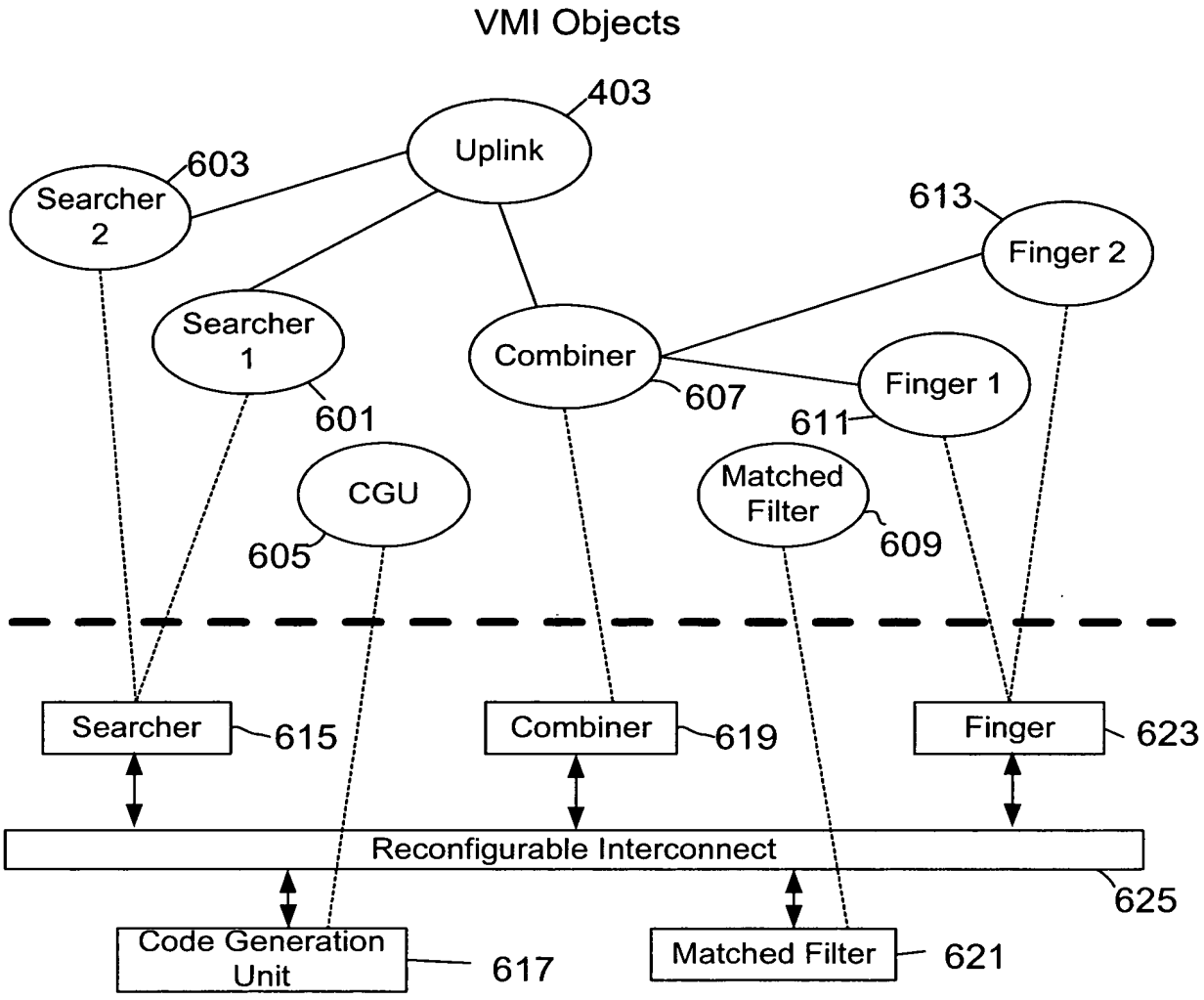
VMI Objects
403
Uplink
603
Searcher 2
613
Finger 2
Searcher 1
601
Combiner
607
Finger 1
611
CGU
605
Matched Filter
609
Searcher
615
Combiner
619
Finger
623
Reconfigurable Interconnect
625
Code Generation Unit
617
Matched Filter
621
Hardware Kernels

FIG. 6

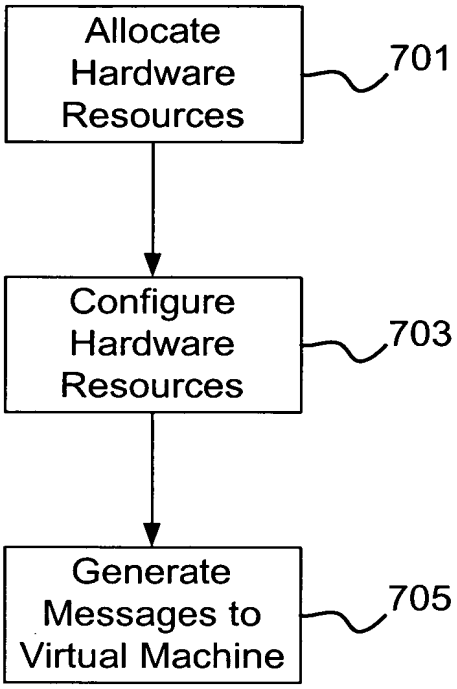

FIG. 7(A)

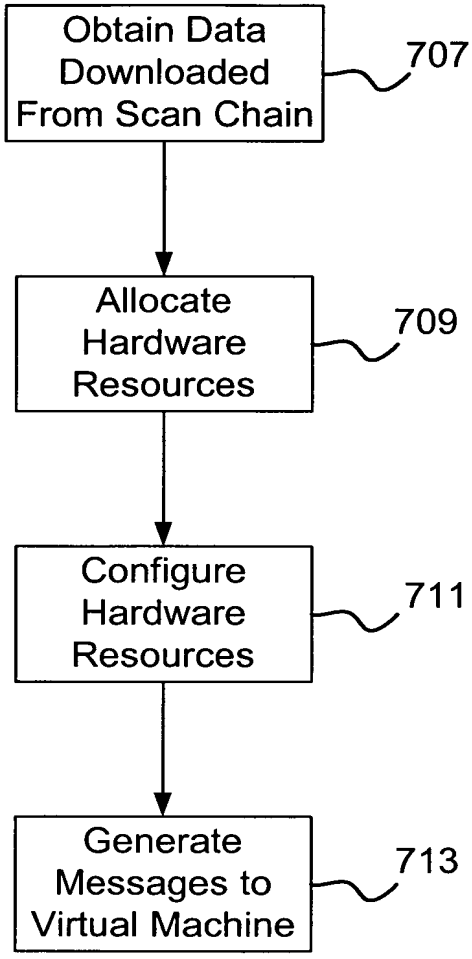

FIG. 7(B)

FD5040 "F82S2S8D

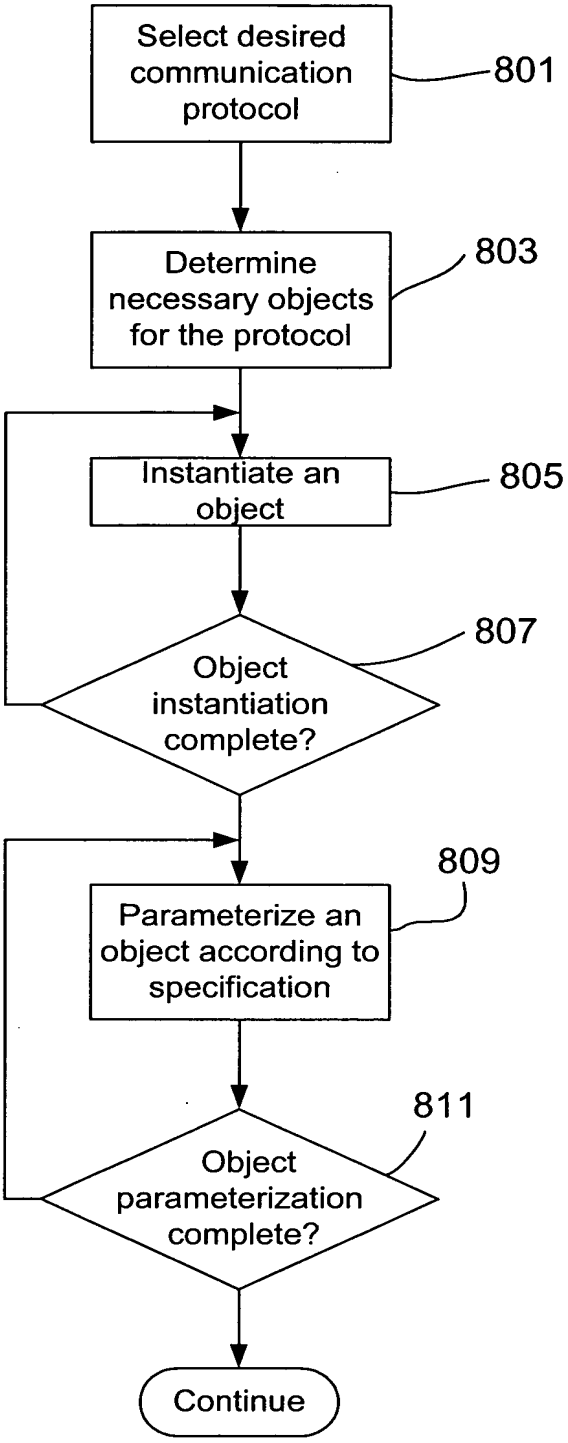

FIG. 8

09824-0062-999

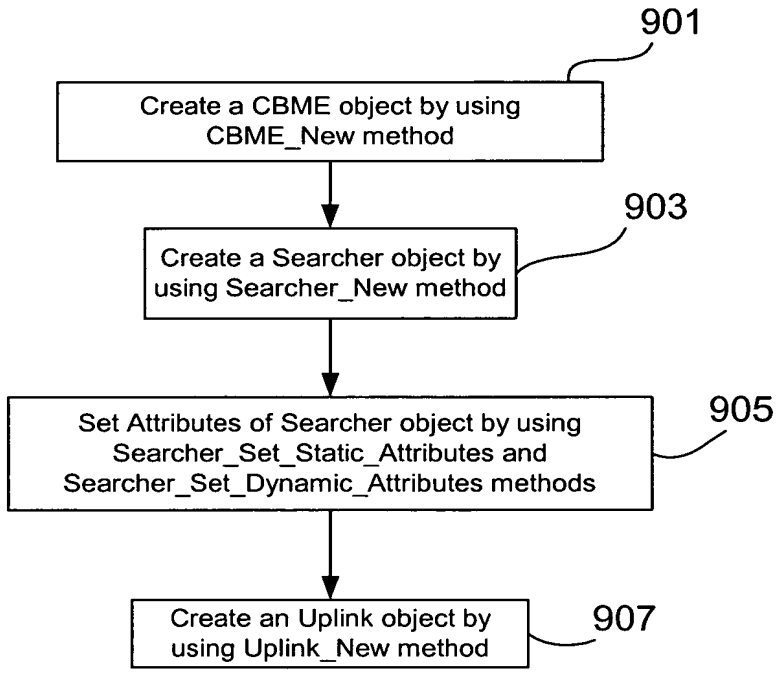

FIG. 9

Docket No. 009824-0062-999

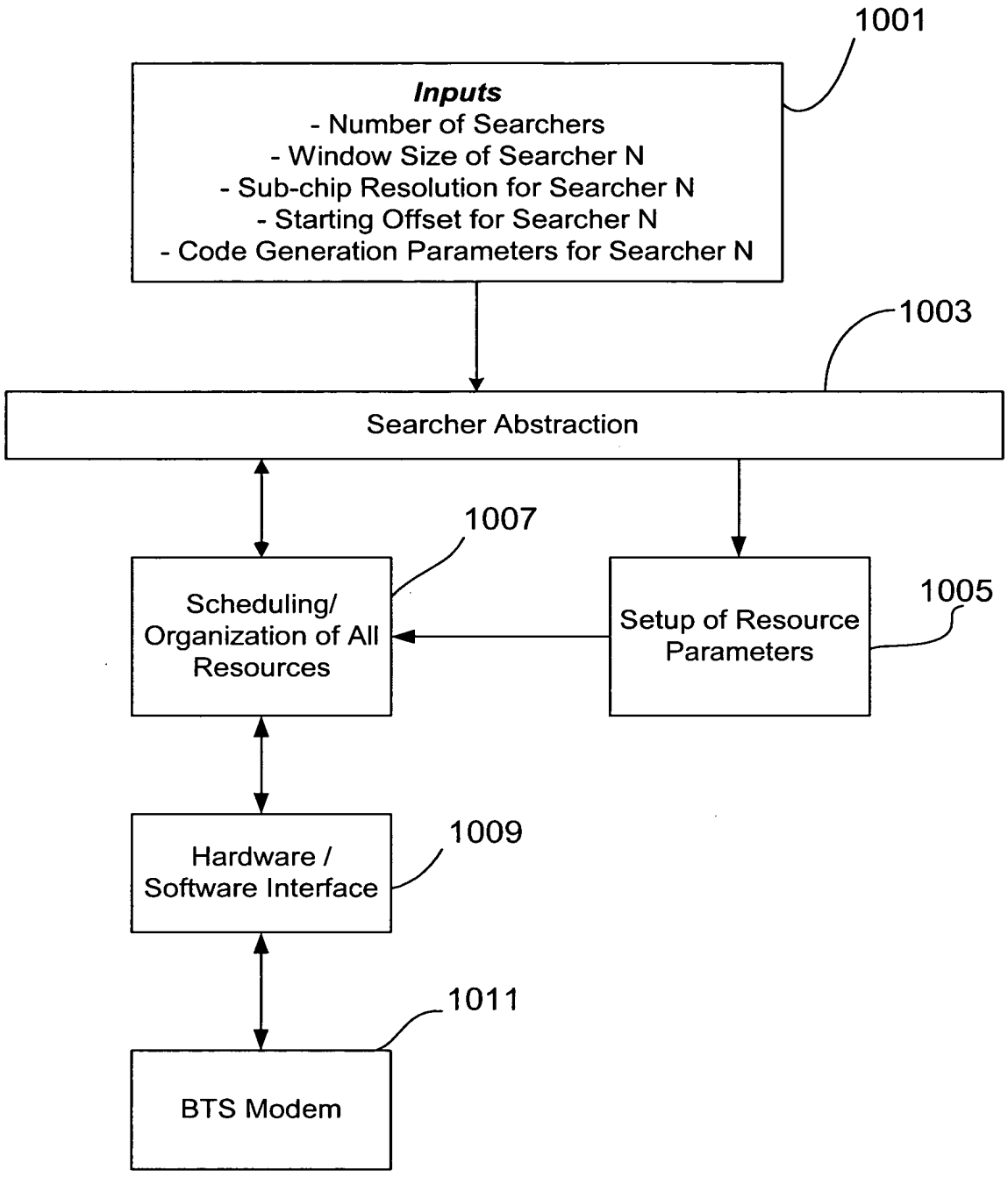
1001
Inputs
- Number of Searchers
- Window Size of Searcher N
- Sub-chip Resolution for Searcher N
- Starting Offset for Searcher N
- Code Generation Parameters for Searcher N
1003
Searcher Abstraction
1007
Scheduling/ Organization of All Resources
1005
Setup of Resource Parameters
1009
Hardware / Software Interface
1011
BTS Modem

FIG. 10

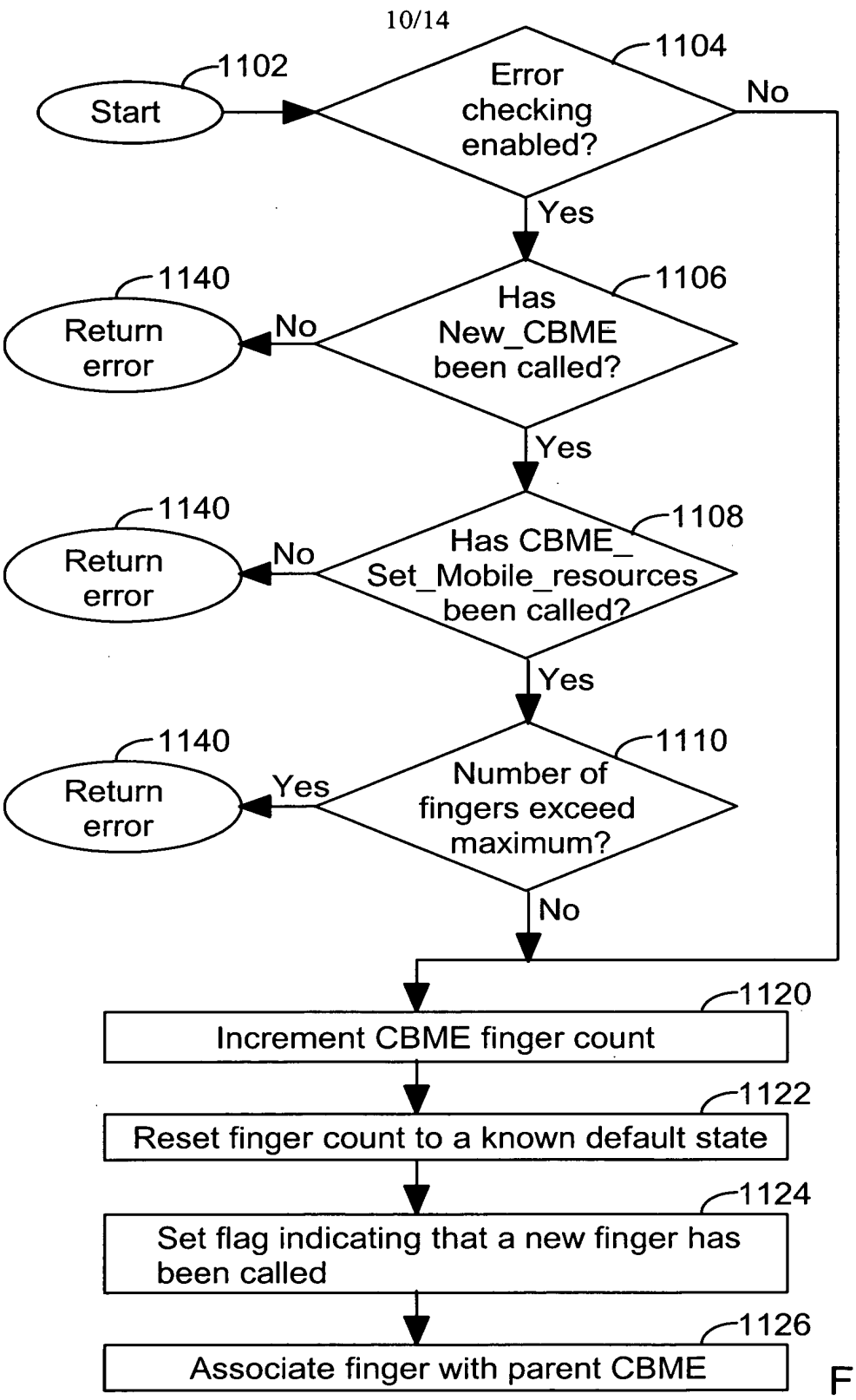

FIG. 11

20050407.0834

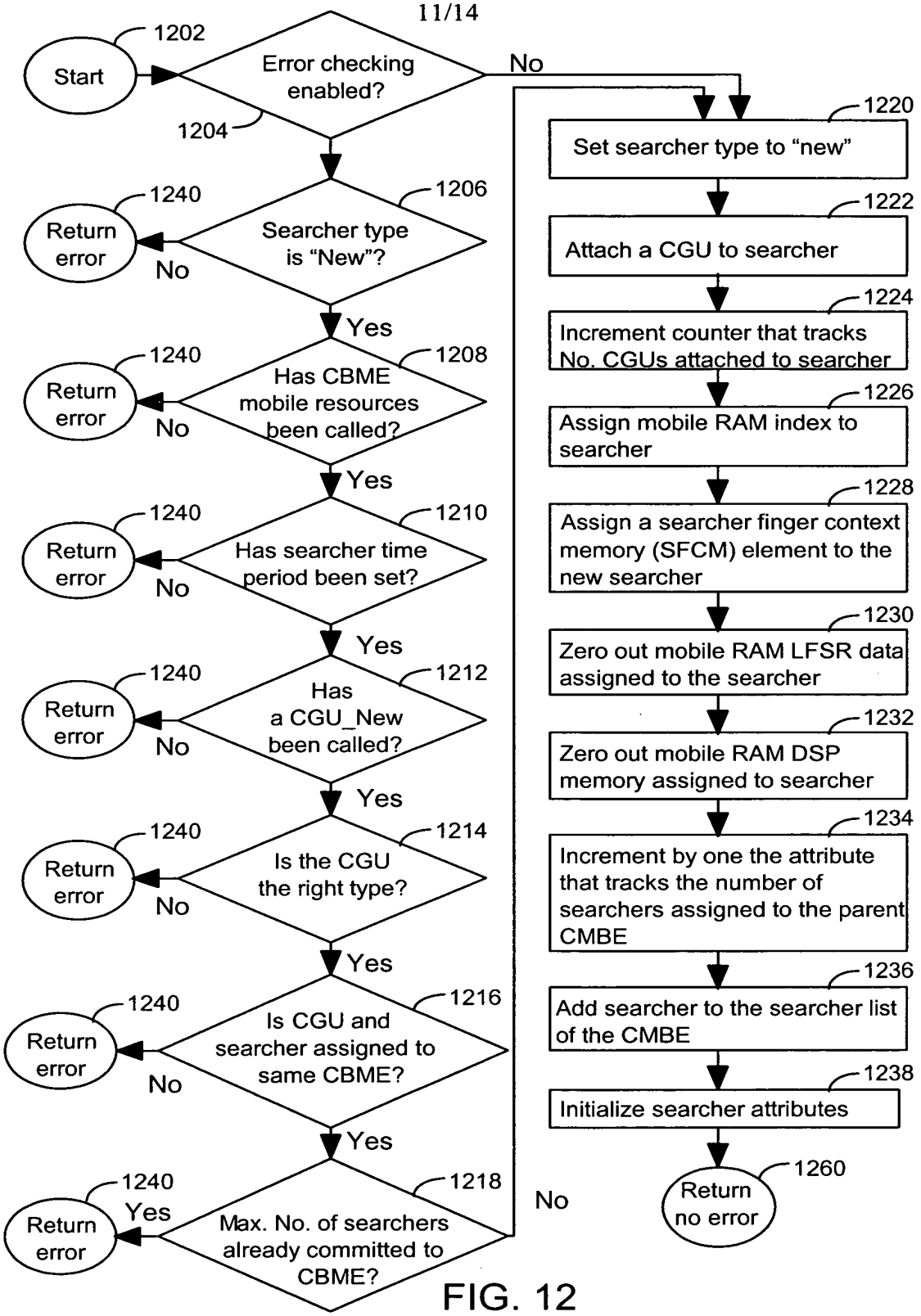

FIG. 12

Docket # 009824-0062-999

Docket #: 009824-0062-999

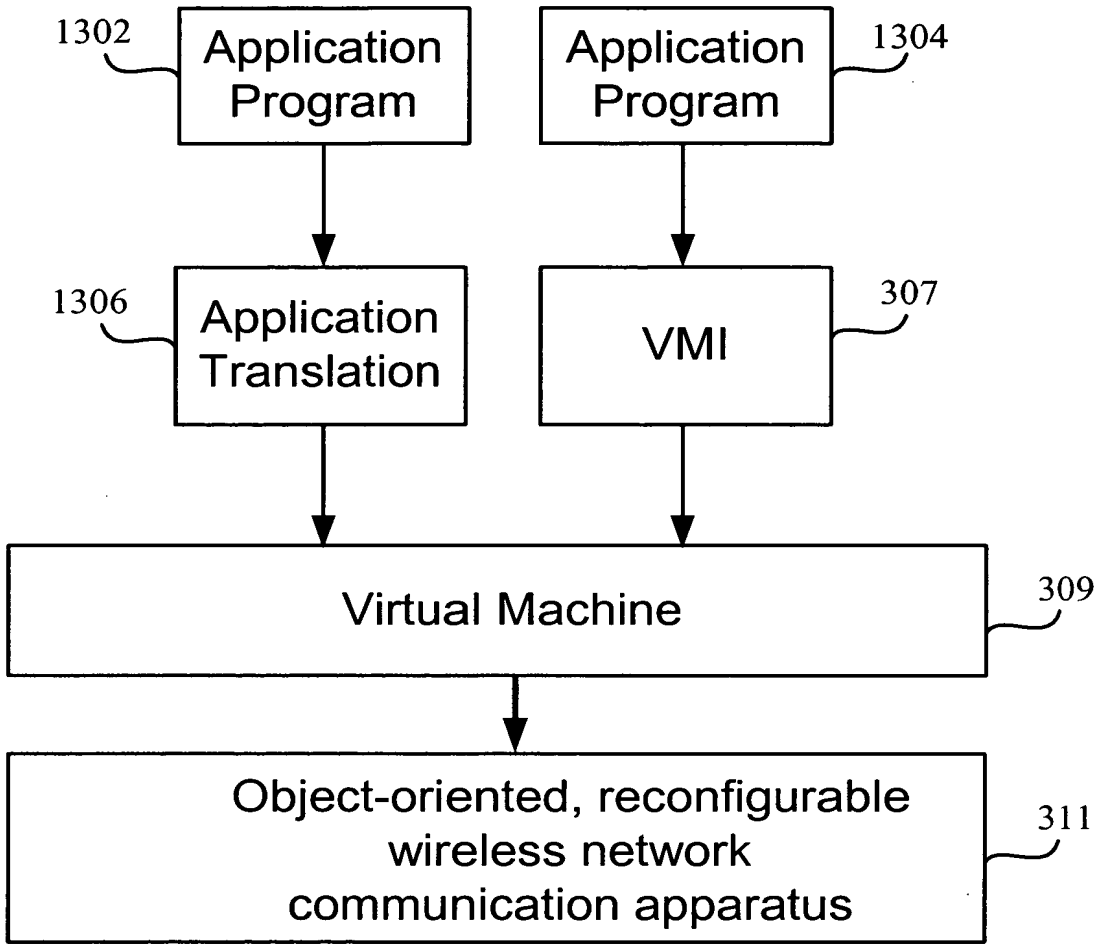

FIG. 13

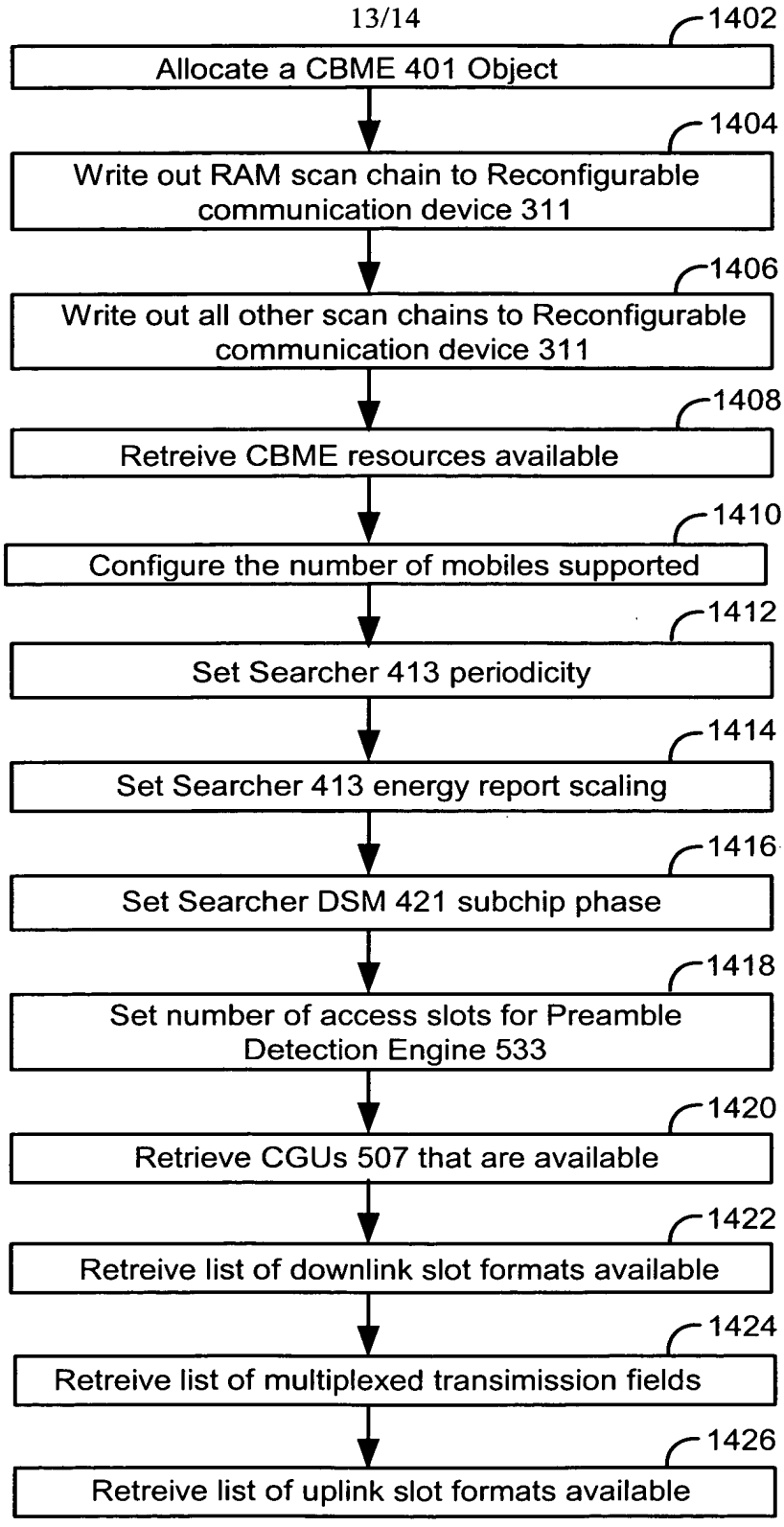

FIG. 14

Docket: 009824-0062-999

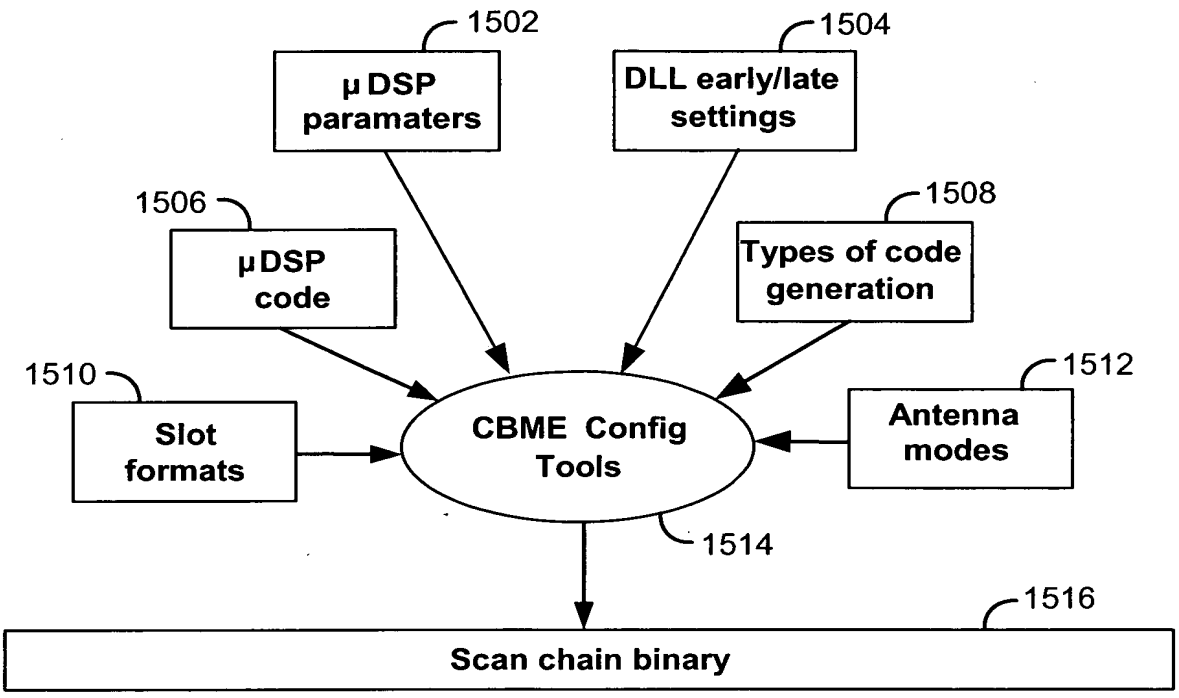
1502
µDSP paramaters
1504
DLL early/late settings
1506
µDSP code
1508
Types of code generation
1510
Slot formats
CBME Config Tools
1512
Antenna modes
1514
1516
Scan chain binary

FIG. 15